

CONFIDENTIAL

DCN: TZ4-C10021-EP-12638

FILE COPY  
DO NOT REMOVE

#590

DATE: January 6, 1993  
TO: Deborah Robinson  
FROM: Lynn Guilford  
SUBJECT: RPA Recommendations for Precision Castparts Corporation  
in Portland, Oregon  
EPA No. 68-W9-0008,  
SAIC/TSC Project No. 6-788-03-1400-590

A RCRA Preliminary Assessment was conducted at the Precision Castparts Corporation facility in Portland, Oregon. 89 solid waste management units (SWMUs) and four areas of concern (AOCs) were identified and evaluated in the course of this assessment. A summary of the conclusions regarding release potentials from each of the SWMUs identified during RPA is presented in the attached table.

Recommendations for further action at each SWMU are summarized below. Based on the results of the evaluation performed at the facility, no further action under corrective action authorities is recommended for the following units:

- SWMU 1 - Portland Building Former Perchloroethylene Collection Station #1
- SWMU 2 - Portland Building Former Perchloroethylene Collection Station #2
- SWMU 3 - Portland Building D-limonene Collection Station
- SWMU 4 - Portland Building Trichloroethylene Degreaser Dirty Solvent Tank
- SWMU 5 - Portland Building Freon Collection Station
- SWMU 6 - Portland Building Vatron Still
- SWMU 7 - Rag Collection Containers
- SWMU 8 - Wax Collection Containers
- SWMU 9 - Portland Building Wax Filters
- SWMU 10 - Portland Building 1,000 Gallon Collection Tank
- SWMU 11 - Portland Building 10,000 Gallon Collection Tank
- SWMU 12 - Portland Building Wash Water Weir Box
- SWMU 13 - Portland Building Weir Box in Wax Process
- SWMU 14 - Used Oil Collection Containers
- SWMU 15 - Scrap Metal Collection Containers
- SWMU 16 - Titanium Building Former Perchloroethylene Collection Station
- SWMU 17 - Titanium Building Trichloroethylene Collection Drum
- SWMU 18 - Titanium Building Freon Collection Station
- SWMU 19 - Titanium Building Vatron Still
- SWMU 20 - Baker Tank #1
- SWMU 21 - Baker Tank #2
- SWMU 22 - Surge Tank #1
- SWMU 23 - Surge Tank #2

USEPA SF



1490353



- SWMU 36 - Titanium Building Pretreatment System Baker Tank
- SWMU 37 - KOH Liquid Tank
- SWMU 38 - Chem Mill Solution Tank
- SWMU 39 - Supplementary Acid Tank
- SWMU 40 - Supplementary Base Tank
- SWMU 41 - Neutralization Building Mixing Tank
- SWMU 42 - Neutralization Building Settling Tank
- SWMU 43 - Neutralization Building Filter Press
- SWMU 44 - Neutralization Building Temporary Filter Cake Storage Area
- SWMU 45 - Neutralization Building Filter Cake Dumpster
- SWMU 46 - Fluoride Treatment Tank
- SWMU 47 - Urea Treatment Tank #1
- SWMU 48 - Urea Treatment Tank #2
- SWMU 49 - Former PCB Storage Area
- SWMU 50 - Former Portland Building Perchloroethylene Storage Area
- SWMU 58 - Portland Building Former Hazardous Waste Accumulation Area
- SWMU 59 - Former Central Petroleum Storage Area
- SWMU 60 - Central Petroleum Storage Area Northeast of Portland Building
- SWMU 61 - Titanium Building Wash Water Weir Box
- SWMU 63 - Portland Building Incinerator
- SWMU 64 - Portland Building #1 Fabric Jet Salvage Exhaust Baghouse
- SWMU 65 - Portland Building Dustex - Cleaning Baghouse
- SWMU 66 - Portland Building #2 Fabric Jet - Investing Baghouse
- SWMU 67 - Portland Building A19 Slurry Exhaust Baghouse
- SWMU 68 - Portland Building AB-5 Investing Exhaust Baghouse
- SWMU 69 - Portland Building Carter Day Baghouse
- SWMU 70 - Portland Building AB-19 Metal Proving Exhaust Baghouse
- SWMU 71 - Portland Building N-5 Cleaning Exhaust Baghouse
- SWMU 72 - Portland Building Fabric Filter Cleaning Exhaust Baghouse
- SWMU 73 - Portland Building MM-1 Master Melt Exhaust Baghouse (Carborundum)
- SWMU 74 - Portland Building MM-2 Master Melt Exhaust Baghouse (Hammond)
- SWMU 75 - Portland Building MM-2 Master Melt Exhaust Baghouse (Torit Downflo)
- SWMU 76 - Portland Building Pangborn Torit Baghouse
- SWMU 77 - Portland Building 81-10 Pot Packing Exhaust Baghouse
- SWMU 78 - Portland Building C-1 Carpenter Shop Exhaust Cyclone
- SWMU 79 - Titanium Building Investing No.1 Baghouse (826)
- SWMU 80 - Titanium Building Investing No. 2 Baghouse (826)
- SWMU 81 - Titanium Building Grinding/Salvage Baghouse (897)
- SWMU 82 - Titanium Sandblast No. 1 Baghouse (852)
- SWMU 83 - Titanium Sandblast No. 2 Baghouse (852)
- SWMU 84 - Titanium Building 843 No. 1 Baghouse
- SWMU 85 - Titanium Building 843 No. 2 Baghouse
- SWMU 86 - Titanium Building 839 No. 1 Baghouse
- SWMU 87 - Titanium Building 839 No. 2 Baghouse
- SWMU 88 - Titanium Building 851 Baghouse

Recommended corrective action for all other units is described below.

#### SWMUS 24 THROUGH 35: TITANIUM BUILDING PRETREATMENT SYSTEM

Suggested Action: The storm water drain near the pretreatment area should be modified to prevent spilled material from entering it. For example, valves that are shut except during storm events or covers that prevent spills from entering the drains should be provided.



SWMUS 51 THROUGH 57: HAZARDOUS WASTE STORAGE AREAS

Suggested Action: The hazardous waste storage areas should be located inside berms with sumps to collect any spills.

SWMU 62: STORM WATER SEWER SYSTEM

Suggested Action: The storm water sewer system should be modified to prevent contaminants from entering it. For example, valves that are shut except during storm events or covers that prevent spills from entering the drains should be provided.

SWMU 89: FORMER DRUM STORAGE AREAS

Suggested Action: The area behind the Titanium Building and any other former drum storage areas that may have a potential for past releases should be sampled to determine if there are any continuing problems associated with these units.

AOC 1: SODIUM HYDROXIDE LOADING AREA

Suggested Action: The storm water drain in the area should be covered while loading operations are in process.

AOC 2: FORMER SODIUM HYDROXIDE UNDERGROUND STORAGE TANK

Suggested Action: If the area is exposed during future construction projects the soils should be sampled to determine if they are impacted.

AOC 3: CHEM MILL PROCESS AREA

Suggested Action: Areas where transfer lines have historically been buried should be sampled as the lines area abandoned. The Chem Mill containment should be inspected periodically to determine if there are releases to the soil.

AOC 5: POSSIBLE PCB CONTAMINATED AREAS

Suggested Action: The results of the PCB investigation should be reviewed for completeness.

Enclosure

cc: S. Burges, EPA RCRA Site Manager  
M. Slater, EPA Region 10 RCRA EPI Coordinator  
P. Rubenstein, EPA Region 10 CERCLA Project Officer

SUMMARY OF ONGOING RELEASE POTENTIALS  
OF SWMUs AT PRECISION CASTPARTS CORPORATION

SWMU No.	Description	Soil	Ground Water	Surface Water	Air	Subsurface Gas
1	Portland Building Former Perchloroethylene Collection Station #1	L	L	L	L	L
2	Portland Building Former Perchloroethylene Collection Station #2	L	L	L	L	L
3	Portland Building D-limonene Collection Station	L	L	L	L	L
4	Portland Building Trichloroethylene Degreaser Dirty Solvent Tank	L	L	L	L	L
5	Portland Building Freon Collection Station	L	L	L	L	L
6	Portland Building Vatron Still	L	L	L	L	L
7	Rag Collection Containers	L	L	L	L	L
8	Wax Collection Containers	L	L	L	L	L
9	Portland Building Wax Filters	L	L	L	L	L
10	Portland Building 1,000 Gallon Collection Tank	L	L	L	L	L
11	Portland Building 10,000 Gallon Collection Tank	L	L	L	L	L
12	Portland Building Wash Water Weir Box	L	L	L	L	L
13	Portland Building Weir Box in Wax Process	L	L	L	L	L
14	Used Oil Collection Containers	L	L	L	L	L
15	Scrap Metal Collection Containers	L	L	L	L	L
16	Titanium Building Former Perchloroethylene Collection Station	L	L	L	L	L
17	Titanium Building Trichloroethylene Collection Drum	L	L	L	L	L
18	Titanium Building Freon Collection Station	L	L	L	L	L
19	Titanium Building Vatron Still	L	L	L	L	L
20	Baker Tank #1	L	L	L	L	L
21	Baker Tank #2	L	L	L	L	L
22	Surge Tank #1	L	L	L	L	L
23	Surge Tank #2	L	L	L	L	L
24	Holding Tank	L	L	H	L	L
25	Flocculation Tank #1	L	L	H	L	L
26	Flocculation Tank #2	L	L	H	L	L

KEY

L = Low  
M = Medium  
H = High  
U = Unknown



SUMMARY OF ONGOING RELEASE POTENTIALS  
OF SWMUs AT PRECISION CASTPARTS CORPORATION

SWMU No.	Description	Soil	Ground Water	Surface Water	Air	Subsurface Gas
27	Flocculation Tank #3	L	L	H	L	L
28	Clarifier #1	L	L	H	L	L
29	Clarifier #2	L	L	H	L	L
30	Circulation Tank	L	L	H	L	L
31	Micro Filter Press #1	L	L	H	L	L
32	Micro Filter Press #2	L	L	H	L	L
33	Micro Filter Press #3	L	L	H	L	L
34	0.2 Micron Filter #1	L	L	H	L	L
35	0.2 Micron Filter #2	L	L	H	L	L
36	Titanium Building Pretreatment System Baker Tank	L	L	L	L	L
37	Potassium Hydroxide Liquid Tank	L	L	L	L	L
38	Chem Mill Solution Tank	L	L	L	L	L
39	Supplementary Acid Tank	L	L	L	L	L
40	Supplementary Base Tank	L	L	L	L	L
41	Neutralization Building Mixing Tank	L	L	L	L	L
42	Neutralization Building Settling Tank	L	L	L	L	L
43	Neutralization Building Filter Press	L	L	L	L	L
44	Neutralization Building Temporary Filter Cake Storage Area	L	L	L	L	L
45	Neutralization Building Filter Cake Dumpster	L	L	L	L	L
46	Fluoride Treatment Tank	L	L	L	L	L
47	Urea Treatment Tank #1	L	L	L	L	L
48	Urea Treatment Tank #2	L	L	L	L	L
49	Former PCB Storage Area	U-L	U-L	U-L	U-L	L
50	Former Portland Building Perchloroethylene Storage Area	U-L	U-L	U-L	U-L	L
51	Hazardous Waste Storage Between Blockhouse and Neutralization Building	L	L	M	L	L
52	Hazardous Waste Storage North of the Blockhouse	L	L	M		
53	Hazardous Waste Staging Area Northwest of Blockhouse	L	L	H	L	L

KEY

L = Low  
M = Medium  
H = High  
U = Unknown



SUMMARY OF ONGOING RELEASE POTENTIALS  
OF SWMUs AT PRECISION CASTPARTS CORPORATION

SWMU No.	Description	Soil	Ground Water	Surface Water	Air	Subsurface Gas
54	Blockhouse Hazardous Waste Storage Area	L	L	M	M	L
55	Compartment Hazardous Waste Storage Area	L	L	M	L	L
56	Final Hazardous Waste Staging Area	L	L	M	L	L
57	Portland Building Hazardous Waste Accumulation Area	L	L	M	L	L
58	Portland Building Former Hazardous Waste Accumulation Area	L	L	L	L	L
59	Former Central Petroleum Storage Area	L	L	H	L	L
60	Central Petroleum Area Northeast of Portland Building	L	L	L	L	L
61	Titanium Building Wash Water Weir Box	L	L	L	L	L
62	Storm Water Sewer System	L	L	H	L	L
63	Portland Building Incinerator	L	L	L	L	L
64	Portland Building #1 Fabri Jet Salvage Exhaust Baghouse	L	L	L	L	L
65	Portland Building Dustex - Cleaning Baghouse	L	L	L	L	L
66	Portland Building #2 Fabri Jet - Investing Baghouse	L	L	L	L	L
67	Portland Building A19 Slurry Exhaust Baghouse	L	L	L	L	L
68	Portland Building AB-5 Investing Exhaust Baghouse	L	L	L	L	L
69	Portland Building Carter Day Baghouse	L	L	L	L	L
70	Portland Building AB-19 Metal Proving Exhaust Baghouse	L	L	L	L	L
71	Portland Building N-5 Cleaning Exhaust Baghouse	L	L	L	L	L
72	Portland Building Fabric Filter Cleaning Exhaust Baghouse	L	L	L	L	L
73	Portland Building MM-1 Master Melt Exhaust Baghouse (Carborundum)	L	L	L	L	L
74	Portland Building MM-2 Master Melt Exhaust Baghouse (Hammond)	L	L	L	L	L

KEY

L = Low  
M = Medium  
H = High  
U = Unknown



SUMMARY OF ONGOING RELEASE POTENTIALS  
OF SWMUs AT PRECISION CASTPARTS CORPORATION

SWMU No.	Description	Soil	Ground Water	Surface Water	Air	Subsurface Gas
75	Portland Building MM-2 Master Melt Exhaust Baghouse (Torit Downflo)	L	L	L	L	L
76	Portland Building Pangborn Torit Baghouse	L	L	L	L	L
77	Portland Building 81-10 Pot Packing Exhaust Baghouse	L	L	L	L	L
78	Portland Building C-1 Carpenter Shop Exhaust Cyclone	L	L	L	L	L
79	Titanium Building Investing No. 1 Baghouse (826)	L	L	L	L	L
80	Titanium Building Investing No. 2 Baghouse (826)	L	L	L	L	L
81	Titanium Building Grinding/Salvage Baghouse (897)	L	L	L	L	L
82	Titanium Building Sandblast No. 1 Baghouse (852)	L	L	L	L	L
83	Titanium Building Sandblast No. 2 Baghouse (852)	L	L	L	L	L
84	Titanium Building 843 No. 1 Baghouse	L	L	L	L	L
85	Titanium Building 843 No. 2 Baghouse	L	L	L	L	L
86	Titanium Building 839 No. 1 Baghouse	L	L	L	L	L
87	Titanium Building 839 No. 2 Baghouse	L	L	L	L	L
88	Titanium Building 851 Baghouse	L	L	L	L	L
89	Former Drum Storage Areas	U	U	U	L	L

KEY

L = Low  
M = Medium  
H = High  
U = Unknown